

**ABSTRACT**

A method of removing moisture and toxic gas components from exhaust gas, comprises making exhaust  
5 gas, exhausted from an LNG burning boiler, flow through  
coolant contained in a dehydrating tower to cool it to  
such a temperature as to solidify moisture and nitrogen  
oxides but not carbon dioxide, thereby solidifying  
moisture and nitrogen oxides contained in the exhaust  
10 gas to separate from the exhaust gas; introducing the  
solidified moisture and nitrogen oxides into a  
solid-liquid separator thereby separating the moisture  
or the nitrogen oxides from the coolant; and making the  
coolant be contained in a cooling tower so as to be cooled,  
15 and then making the coolant be contained in the  
dehydrating tower again so as to be circulated.